

Please type a plus sign (+) inside this box → Approved for use through 10-31-2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



16076 U.S.PTO

22264 U.S.PTO  
10/772686

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. X-1508 US

First Inventor Andy T. Nguyen

Title Binary Hysteresis Equal Comparator Circuits and Methods

Express Mail Label No. EV 000382865 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

|  |                   |
|--|-------------------|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><i>(Submit an original, and a duplicate for fee processing)</i>                         | 28                |
| 2. <input checked="" type="checkbox"/> Specification [Total Pages<br><i>(preferred arrangement set forth below)</i>  | 09                |
| - Descriptive title of the Invention   |                   |
| - Cross References to Related Applications   |                   |
| - Statement Regarding Fed sponsored R & D  |                   |
| - Reference to sequent listing, a table, or a computer program listing appendix  |                   |
| - Background of the Invention  |                   |
| - Brief Summary of the Invention   |                   |
| - Brief Description of the Drawings ( <i>if filed</i> )  |                   |
| - Detailed Description   |                   |
| - Claim(s)   |                   |
| - Abstract of the Disclosure   |                   |
| 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113)   | [Total Sheets 09] |
| 4. Oath or Declaration   | [Total Pages 01]  |
| a. <input checked="" type="checkbox"/> Newly Executed(original or copy)  |                   |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR §1.63(d))<br><i>(for continuation/divisional with Box 17 completed)</i>                                |                   |
| i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). |                   |
| 5. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76   |                   |

ADDRESS TO: Commissioner for Patents  
P.O. Box 1450; Mail Stop Patent Application  
Alexandria, Virginia 22313-1450

|   |
|---|
| 6. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) |
| 7. Nucleotide and/or Amino Acid Sequence Submission<br><i>(if applicable, all necessary)</i>        |
| a. <input type="checkbox"/> Computer Readable Copy (CRC)  |
| b. Specification Sequence Listing on:   |
| i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or   |
| ii. <input type="checkbox"/> paper  |
| c. <input type="checkbox"/> Statements verifying identity of above copies                           |

**ACCOMPANYING APPLICATION PARTS**

|  |  |
|--|--|
| 8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))   |  |
| 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement<br><i>(when there is an assignee)</i>   | <input type="checkbox"/> Power of Attorney       |
| 10. <input type="checkbox"/> English Translation Document ( <i>if applicable</i> )   |  |
| 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449  | <input type="checkbox"/> Copies of IDS Citations |
| 12. <input type="checkbox"/> Preliminary Amendment   |  |
| 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><i>(Should be specifically itemized)</i>                               |  |
| 14. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><i>(if foreign priority is claimed)</i>                                       |  |
| 15. <input checked="" type="checkbox"/> Nonpublication Request under 35 U.S.C 122 (b)(2)(B). Applicant must attach form PTO/SB/35 or its equivalent. |  |
| 16. <input type="checkbox"/> Other: .....  |  |

17. If a CONTINUATING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)    of prior application No: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS**

|   |       |    |   |
|---|-------|----|---|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 24309 | or | <input type="checkbox"/> Correspondence address below |
| (Insert Customer No. or Attach bar code label here)                   |       |    |   |

|         |                       |          |              |
|---------|-----------------------|----------|--------------|
| Name    | Attn: Lois D. Cartier |          |              |
| Address |                       |          |              |
| City    | State                 | Zip Code |              |
| Country | Telephone             | Fax      | 408-377-6137 |

|                   |                 |                                   |        |
|-------------------|-----------------|-----------------------------------|--------|
| Name (Print/Type) | Lois D. Cartier | Registration No. (Attorney/Agent) | 40,941 |
|-------------------|-----------------|-----------------------------------|--------|

|           |  |      |                  |
|-----------|--|------|------------------|
| Signature |  | Date | February 5, 2004 |
|-----------|--|------|------------------|

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, Virginia, 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Mail Stop: Patent Application, P.O. Box 1450, Alexandria, Virginia, 22313-1450.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ ) **1360.00**

## Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | Unknown          |
| Filing Date          | February 5, 2004 |
| First Named Inventor | Andy T. Nguyen   |
| Examiner Name        | Unknown          |
| Art Unit             | Unknown          |
| Attorney Docket No.  | X-1508 US        |

## METHOD OF PAYMENT (check all that apply)

1.  Deposit Account:

Deposit Account Number

**24-0040**

Deposit Account Name

**XILINX, INC.**

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below     Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code | Fee (\$) | Fee Description        | Fee Paid     |
|-----------------------|----------|------------------------|--------------|
| 1001                  | 770      | Utility filing fee     | <b>\$770</b> |
| 1002                  | 320      | Design filing fee      |              |
| 1003                  | 490      | Plant filing fee       |              |
| 1004                  | 770      | Reissue filing fee     |              |
| 1005                  | 160      | Provisional filing fee |              |
| <b>SUBTOTAL (1)</b>   |          | <b>(\$ ) 770.00</b>    |              |

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       | 41 | -20** = | 21 | Fee from Extra Claims below | = | Fee Paid     |
|--------------------|----|---------|----|-----------------------------|---|--------------|
| Indep. Claims      | 05 | - 3** = | 2  | 18                          | = | <b>\$378</b> |
| Multiple Dependent |    |         |    | 86                          | = | <b>\$172</b> |

| Large Entity Fee Code | Fee (\$) | Fee Description   |
|-----------------------|----------|---|
| 1202                  | 18       | Claims in excess of 20                                    |
| 1201                  | 86       | Independent claims in excess of 3                         |
| 1203                  | 290      | Multiple dependent claim, if not paid                     |
| 1204                  | 86       | **Reissue independent claims over original patent         |
| 1205                  | 18       | **Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)** (\$ ) **550.00**

\*or number previously paid, if greater; For Reissues, see above

### 3. ADDITIONAL FEES

| Large Entity Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|-----------------------|----------|--|----------|
| 1051                  | 130      | Surcharge - late filing fee or oath  |          |
| 1052                  | 50       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 147                   | 2,520    | For filing a request for reexamination                                     |          |
| 1812                  | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805                  | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251                  | 110      | Extension for reply within first month                                     |          |
| 1252                  | 420      | Extension for reply within second month                                    |          |
| 1253                  | 950      | Extension for reply within third month                                     |          |
| 1254                  | 1,480    | Extension for reply within fourth month                                    |          |
| 1255                  | 2,010    | Extension for reply within fifth month                                     |          |
| 1401                  | 330      | Notice of Appeal   |          |
| 1402                  | 330      | Filing a brief in support of an appeal                                     |          |
| 1403                  | 290      | Request for oral hearing   |          |
| 1451                  | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452                  | 110      | Petition to revive - unavoidable   |          |
| 1453                  | 1,330    | Petition to revive - unintentional   |          |
| 1501                  | 1,240    | Utility issue fee (or reissue)   |          |
| 1460                  | 130      | Petitions to the Commissioner  |          |
| 1807                  | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806                  | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021                  | 40       | Recording each patent assignment per property (times number of properties) | \$40     |
| 1809                  | 770      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810                  | 770      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801                  | 770      | Request for Continued Examination (RCE)                                    |          |
| Other fee (specify)   |          |  |          |

\*Reduced by Basic Filing Fee Paid      **SUBTOTAL (3)** (\$ ) **40.00**

## SUBMITTED BY

| Name (Print/Type) | Lois D. Cartier   | Registration No. (Attorney/Agent) | 40,941 | Telephone | 720-652-3733 |
|-------------------|---|-----------------------------------|--------|-----------|--------------|
| Signature         |  |                                   |        | Date      | 02-05-2004   |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia, 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia, 22313-1450.

pbs

PTO/SB/35 (08-03)  
Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office, U. S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

|                      |   |
|----------------------|---|
| First Named Inventor | Andy T. Nguyen  |
| Title                | Binary Hysteresis Equal Comparator Circuits and Methods |
| Atty Docket Number   | X-1508 US   |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

February 05, 2004

Date



Signature

Lois D. Cartier Reg. No. 40,941

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, Virginia, 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia, 22313-1450.